

Title (en)

SYSTEM AND METHOD FOR MA SIGNATURE ASSIGNMENT BASED ON UE GROUP SEPARATION

Title (de)

SYSTEM UND VERFAHREN ZUR MA-SIGNATURZUORDNUNG BASIEREND AUF DER BENUTZERGERÄTEGRUPPENTRENNUNG

Title (fr)

SYSTÈME ET PROCÉDÉ D'ATTRIBUTION DE SIGNATURE MA SUR LA BASE D'UNE SÉPARATION DE GROUPE

Publication

**EP 3603297 A4 20200325 (EN)**

Application

**EP 17907102 A 20171229**

Priority

- US 201715495308 A 20170424
- CN 2017120222 W 20171229

Abstract (en)

[origin: US2018309553A1] In a wireless communication system, user equipments (UEs) may be partitioned into different groups, e.g. based on spatial separation. UEs may use multiple access (MA) signatures that have low or no correlation to each other if the UEs are in the same group. The MA signatures used by one group of UEs may be more correlated with the MA signatures used by another group of UEs. If the UEs are partitioned into the different groups based on spatial separation, then the spatial separation between the different groups may assist in increasing the reliability of detection if two UEs in different groups use correlated MA signatures.

IPC 8 full level

**H04W 74/00** (2009.01); **H04L 5/00** (2006.01)

CPC (source: EP US)

**H04L 5/0023** (2013.01 - EP); **H04L 5/0048** (2013.01 - US); **H04L 5/0051** (2013.01 - EP); **H04L 5/0069** (2013.01 - EP);  
**H04L 5/0094** (2013.01 - EP US); **H04W 72/046** (2013.01 - EP US); **H04L 5/0016** (2013.01 - EP); **H04W 72/23** (2023.01 - EP US)

Citation (search report)

- [X] CA 2953167 A1 20160211 - SONY CORP [JP]
- [X] WO 2014090200 A1 20140619 - HUAWEI TECH CO LTD [CN]
- See references of WO 2018196431A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 10833822 B2 20201110**; **US 2018309553 A1 20181025**; CN 110574478 A 20191213; CN 110574478 B 20211001; EP 3603297 A1 20200205;  
EP 3603297 A4 20200325; EP 3603297 B1 20221102; WO 2018196431 A1 20181101

DOCDB simple family (application)

**US 201715495308 A 20170424**; CN 2017120222 W 20171229; CN 201780089992 A 20171229; EP 17907102 A 20171229